Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/12/2022 08:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124645	-1	1.46	124543	1.42
Blue	F	SSC	125000	122034	-3	2.74	122539	2.57
Blue	E	FITC	14284	13723	-4	2.26	384	13.28
Blue	D	PE	23919	23678	-2	1.71	563	10.19
Blue	B	PerCP-Cy5-5	31332	30586	-3	3.01	875	14.58
Blue	A	PE-Cy7	22272	21961	-2	4.99	459	30.12
Red	C	APC	47768	46993	-2	2.51	1619	11.46
Red	A	APC-Cy7	25313	24458	-4	3.04	691	11.99
Violet	B	V450	7085	6791	-5	3.57	471	11.13
Violet	A	V500	26969	25894	-4	3.11	886	8.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23796	2.92	580	-9	N/A	N/A	Pass
Blue	F	SSC	54765	2.05	518	-3	N/A	N/A	Pass
Blue	E	FITC	58	50.63	489	-12	0.0426	0	Pass
Blue	D	PE	110	38.51	487	-10	0.4718	358	Pass
Blue	B	PerCP-Cy5-5	137	43.24	575	-13	0.0216	163	Pass
Blue	A	PE-Cy7	77	79.62	622	-13	0.0231	5	Pass
Red	C	APC	338	25.60	571	-9	0.0278	147	Pass
Red	A	APC-Cy7	128	33.57	544	-11	0.0067	1147	Pass
Violet	B	V450	81	45.94	444	-19	0.0636	2477	Pass
Violet	A	V500	105	30.62	455	-19	0.0264	876	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.71	-31.57	1.14
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	15.68	13.90 - 20.86	N/A	N/A	29.84	30.06	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 14619

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments